



Fused Field Wiring Arm Cat. No. 1771-WHF and -WHFB

Installation Instructions

To The Installer

This document provides information on:

- pre-installation considerations
- installing the field wiring arm
- changing a fuse on the field wiring arm
- specifications

Pre-installation Considerations

The fused field wiring arm provides individual output circuit protection. It allows simple fuse replacement without removing the field wiring arm from the I/O chassis.

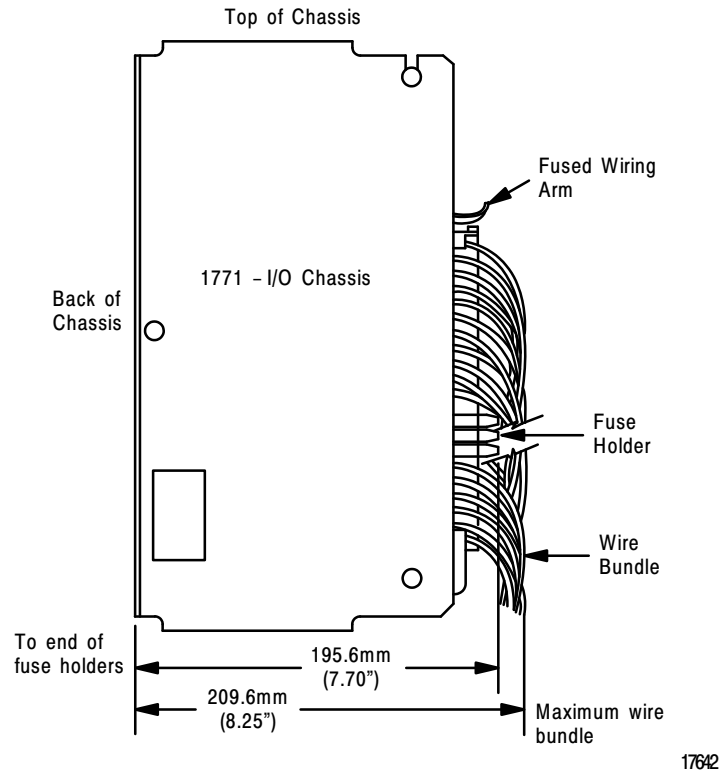
Two versions are available, both of which are interchangeable with the 1771-WH field wiring arm:

- 1771-WHF – The 1771-WHF uses a 3A fuse for each output. The maximum continuous current should not exceed 2.0A per fuse.
- 1771-WHFB – The 1771-WHFB uses a 1.5A fuse for each output. The maximum continuous current should not exceed 1.1A per fuse.

Important: These fused field wiring arms require more clearance than the 1771-WH field wiring arms they replace. If you are installing them in a cabinet, make certain that your installation has sufficient clearance for this wiring arm.

shows the minimum dimensions from the back of the 1771 I/O chassis to the front of the fused field wiring arm and to the front of a typical wire bundle.

Figure 1
Mounting Clearance for the 1771-WHF and -WHFB Fused Field Wiring Arms



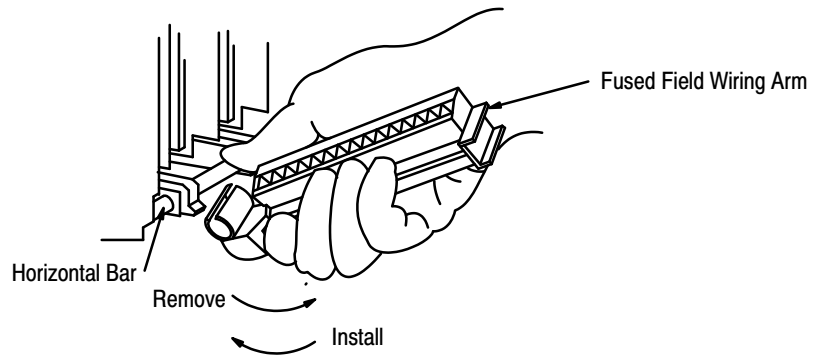
Installing the Fused Field Wiring Arm

To install the fused field wiring arm, proceed as follows:

Important: If your application requires a single power source for all circuits on the 16-point output module, install the jumper supplied with the wiring arm to connect the first 4 terminals (A, B, C and D) together. Refer to the specific installation data for your output module for wiring information.

1. Remove system power from the 1771 I/O chassis.
2. If replacing an existing field wiring arm:
 - a. disconnect wiring from the terminals on the field wiring arm
 - b. release the tab securing the wiring arm to the module.
 - c. swing the wiring arm down and remove as shown in .
3. Snap the 1771-WHF or -WHFB wiring arm on the horizontal bar at the bottom of the chassis as shown in .

Figure 2
Removing and/or Replacing the Field Wiring Arm



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4. Swing the wiring arm up onto the module until the arm is secured by the tab.
5. Connect field wiring as outlined in the installation data sheet included with your particular output module.

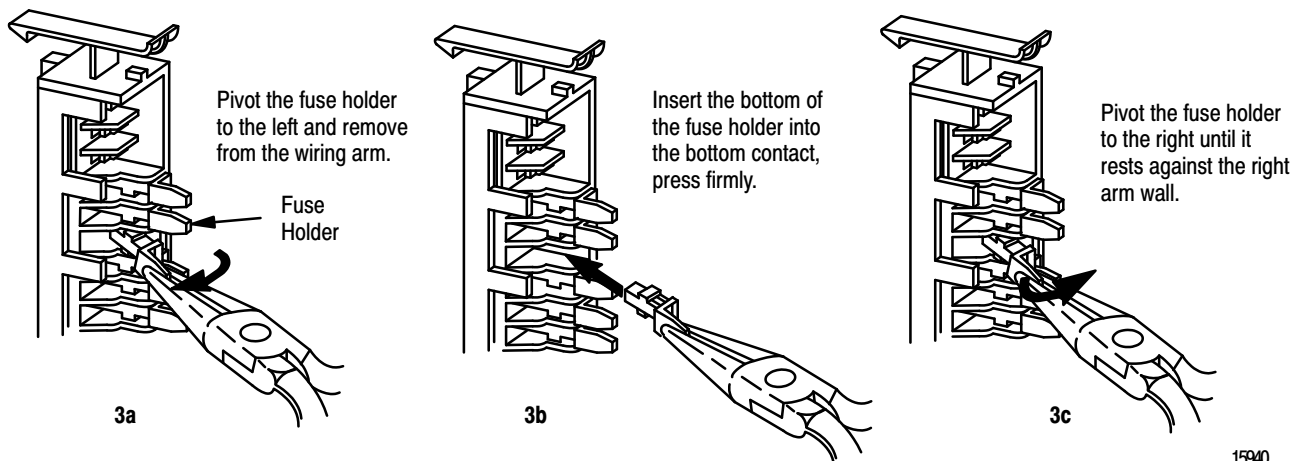
Important: Make sure that you allow sufficient slack in the wiring at the bottom of the field wiring arm so that the wiring arm can pivot sufficiently on the horizontal bar to allow module removal.

Changing a Fuse on the Fused Field Wiring Arm

To change a fuse, proceed as follows:

1. Remove system power.
2. Remove the fuse from the wiring arm as shown in Figure 3.

Figure 3
Removing and Replacing a Fuse



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3. Replace the fuse in the fuse holder using:

1771-WHF – use 3A fuse from Allen-Bradley Fuse Pak (cat. no. 1771-FD) or similar source (Littelfuse 2AG 3A, part no. 225003).

1771-WHFB – use 1.5A fuse from Allen-Bradley Fuse Pak (cat. no. 1771-FD2) or similar source (Littelfuse 2AG 1.5A, part no. 22501.5).

4. Replace the fuse holder in the field wiring arm as shown in .

5. Reapply power to the chassis.

Specifications

Catalog Number	1771-WHF (3A) and 1771-WHFB (1.5A)	
Dimensions	8.265H x 1.224W x 2.0D (inches) 209H x 31W x 51D (millimeters)	
Conductors	Wire Size	14 gauge stranded maximum 3/64 inch insulation maximum
	Category	1 ¹
Fuses	16 2AG 3A (1771-WHF) 16 2AG 1.5A (1771-WHFB)	
Optional Fuse Pak	1771-WHF – Cat. No. 1771-FD: Contains 2 fuse holders and 8 2AG 3A fuses 1771-WHFB – Cat. No. 1771-FD2: Contains 2 fuse holders and 8 2AG 1.5A fuses	
Wiring Arm Screw Torque	7-9 inch-pounds	

¹ You use this conductor category information for planning conductor routing as described in the system-level installation manual.



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